

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** STP00-0003-00(430) Tift  
P.I. No.: 0003430  
CR 75/Carpenter Road

**OFFICE:** Engineering Services  
**DATE:** September 30, 2010

**FROM:** Ronald E. Wishon, State Project Review Engineer *REW*

**TO:** Ralph S. Griffin, District Design Engineer, Tifton  
Attn.: Mike Popp

**SUBJECT: IMPLEMENTATION OF VALUE ENGINEERING STUDY ALTERNATIVES**

The VE Study for the above project was held July 26-29, 2010. Responses were received on September 30, 2010. Recommendations for implementation of Value Engineering Study Alternatives are indicated in the table below. The Project Manager shall incorporate the VE alternatives recommended for implementation to the extent reasonable in the design of the project.

ALT #	Description	Potential Savings/LCC	Implement	Comments
RD-1	Use 11 foot travel lanes	\$435,038	Yes	This will be done.
RD-2	Use 11 foot inside and 12 foot outside travel lanes	\$217,519	No	Since RD-1 will be implemented, RD-2 cannot be done.
RD-3	Use 12 foot width for two way left turn lane	\$217,519	No	Due to the existing and potential commercial and residential growth in the area, the 14 foot two way left turn lane will remain. School buses and semi trucks use this roadway and there are many deliveries to local businesses that generate turning traffic.
RD-10	Retain the existing alignment at Whiddon Mill Road	\$3,295,160	Yes	This will be done. The existing angle of intersection is 48 degrees and the accident rate is 0.85 per 1,000,000 vehicles. The existing ADT for the intersection is 7522 on Whiddon Mill Road and 5394 on Carpenter Road. A design exception will be required.

RD-11	Utilize existing pavement for the 14 foot two way left turn lane	\$319,168	No	OMR indicated that retaining the existing pavement would not be conducive to stage construction and would create difficulties in maintenance schedules for the interior vs. the exterior (new) travel lanes.
RD-18	Delete the Field Engineer's Office; Use GDOT District 4 Office	\$82,800	No	The District Preconstruction engineer indicated that there is no suitable space available for the construction engineer's office or storage for the inspection and testing equipment. The cost of office equipment including computer, software, camera and video camera, telephone, fax, desks, filing cabinets, etc. would be incurred by the District. GDOT's cost would only be 20% of the contractor provided office, but 100% if provided by the District. Local prices for engineer's offices have been \$60,000 and not \$82,000 as shown in the cost estimate.

The Office of Engineering Services concurs with the Project Manager's responses.

Approved:

Date:

10/1/10

Gerald M. Ross, PE, Chief Engineer

REW/LLM

Attachments

c: Ben Buchan  
Brent Thomas/Sandy Griffin/Mike Popp  
Sam Pugh  
Joe Cowan  
Ken Werho  
Nabil Raad  
Lisa Myers  
Matt Sanders

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** STP00-0003-00(430), Tift County                   **OFFICE** Tifton, GA  
PI No. 0003430   **DATE** September 30, 2010  
CR 75/Carpenter Rd. from SR520 to Davis Rd.

**FROM** Ralph S. Griffin, District Design Engineer

**TO** Lisa Myers, V.E. Coordinator

**SUBJECT** Responses to Value Engineering Study

We have reviewed the comments submitted by PBS&J on August 4, 2010. Attached you will find our responses to the alternatives and suggestions provided by PBS&J.

If you have any questions or need additional information please contact Ralph S., (Sandy), Griffin at 229-386-3618.

Thank You,

RSG; jmp

cc:

Brent Thomas, District Preconstruction Engineer  
File



STP00-0003-00(430) Tift Co.

PI No.: 0003430

CR 75/Carpenter Rd. fm SR 520 to Davis Rd.

September 20, 2010

## VALUE ENGINEERING STUDY – RESPONSES TO FINAL REPORT

AAM/TSD Limited, LLC has completed our review of the Value Engineering Report for this project and is providing the following responses to the recommended changes to the design:

RD-1 , Use 11' travel lanes

Yes.

RD-2, Use 11' inside lanes and 12' outside lanes

No, since the agreement to RD-1 precludes this option.

RD-3, Use a 12' two-way left turn

No. We need to retain the proposed 14' Two-Way-Left-Turn-Lane (TWLTL), due to the existing & potential commercial and residential growth in the area. There is existing school bus traffic traversing the roadway in the mornings and afternoons. There is a school entrance/exit adjacent to Carpenter Road just south of the intersection of Whiddon Mill Road. Semi trucks use this roadway consistently from King Road to US 82 as a delivery to local businesses and as a cut through from SB Interstate 75 to go WB US 82.

RD-10, Retain existing alignment at Whiddon Mill Road

Yes, the current intersection is signalized with an existing angle of intersection is 48 degrees, and the accident rate is 0.85 per 1,000,000 vehicles, which is average and below the critical frequency considered to be unusual. The existing ADT for the intersection is 7522 on Whiddon Mill Road and 5394 on Carpenter Road. A design exception required.

RD-11, Utilize existing pavement for 14' two-way left turn lane

No, based on the recommendation by the Office of Materials and Research that retaining the existing pavement would not be conducive to stage construction and would create difficulties in maintenance schedules for the interior vs. exterior (new) travel lanes. (See attached e-mail)

RD-18, Delete field engineer's office; use GDOT District Office

No, based on information provided by the District Preconstruction Engineer:

- 1) No suitable space is currently available for either the construction engineer's office or storage for inspections and testing equipment.



- 2) The cost of office equipment including computer, software, camera & video camera, telephones, desks, chairs, filing cabinets, plan rack, fax machine, etc., would be incurred by the District.
- 3) Most recent figures show that local prices for engineer's offices have been \$60,100, not \$82,000.
- 4) GDOT's cost would only be 20% of the contractor provided office, but 100% if provided by the District.

Respectfully submitted,

A handwritten signature in black ink that appears to read "Andy Miller".

Andy Miller, PE  
AAM/TSD Limited, LLC

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From: Popp, Mike <mpopp@dot.ga.gov>  
To: 'AA Miller Engineering' <sandy@aamillereng.com>  
Date: Wednesday, September 8, 2010 7:35:24 AM  
Subject: FW: FW: Final VE Report: STP00-0003-00(430) Tift  
Folder: Inbox/AA Miller Engineering  
=====

fyi

-----Original Message-----

From: Jubran, Abdallah (AJ)  
Sent: Tuesday, September 07, 2010 6:42 PM  
To: Griffin, Ralph (Sandy)  
Cc: Popp, Mike  
Subject: RE: FW: Final VE Report: STP00-0003-00(430) Tift

Sandy,

OMR stands by its recommendation in the Pavement evaluation and Pavement Type Selection recommendation. The VE proposes to retain on Carpenter Rd. a 2 inch thick pavement for turn lanes. Turn lanes experience higher stresses from turning movement at intersections and will present a different maintenance cycle than new construction. The VE also indicates that this alternative will require a more Complex Traffic Control Plan. Traffic control increases cost.

The implicit scale in the drawing on Sheet No. 2 of RD-11 indicates that the existing pavement is nearly equivalent in thickness to the proposed new construction. This is misleading when using visuals in evaluating the VE Proposal. The existing pavement varies up to 2 3/4 inches in thickness over SAB except at the major intersection(s). The proposed pavement structure is similar to the existing portion from Station 11+00 to 14+00.

Reconstructing the pavement as proposed in the OMR report takes advantage of an active work zone, provides a uniform pavement section, and minimizes future maintenance costs.

A.J. Jubran, P.E.  
State Pavement Engineer  
Georgia Department of Transportation  
404-608-4771 <<< New Telephone Number

ajubran@dot.ga.gov

Help GDOT serve you better. Visit <http://www.howsmyservice.dot.ga.gov> and rate the service you received from Team GDOT.

-----Original Message-----

From: Griffin, Ralph (Sandy)  
Sent: Wednesday, August 18, 2010 9:14 AM  
To: Jubran, Abdallah (AJ)  
Cc: Popp, Mike  
Subject: FW: FW: Final VE Report: STP00-0003-00(430) Tift

PRECONSTRUCTION STATUS REPORT FOR PI:0003430

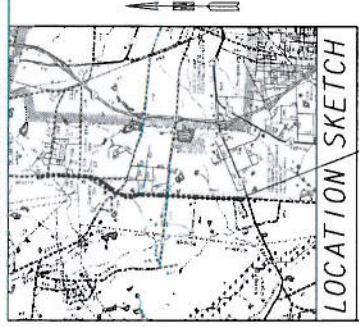
CR 75/CARPENTER RD IN TIFTON FM SR 520/US 82 TO DAVIS RD									
PROJ ID:	0003430	COUNTY:	Tift	PRIORITY CODE:	03/15/2012				
LENGTH (MI)	2.50	MPO:	Not Urban	DOT DIST:	03/19/2010				
PROJ NO.:	STP00-0003-00(430)	TI#:		CONG. DIST.:	4				
PROJ MGR:	Griffin, Ralph	MODEL YR.:		BIKE:	8				
AODH Initials:		TYPE WORK:	Widening	MEASURE:	Y				
OFFICE:	District 4	CONCEPT.:		NEEDS SCORE:	5				
CONSULTANT:	Local Design, Local PE funds	PROG TYPE:	Reconstruction/Rehabilitation	BRIDGE SUFF.:					
SPONSOR :	Tifton	Prov. for ITS:	N	BOND PROJ.:					
DESIGN FIRM:	Focus Development & Engineering, Inc.	BASE START	BASE FINISH	LATE START	LATE FINISH	TASKS	ACTUAL START	ACTUAL FINISH	%
1/18/2010	3/3/2010					Concept Development	1/2/2002	7/15/2002	100
						Concept Meeting	2/27/2002	2/27/2002	100
						PM Submit Concept Report	5/2/2002	6/5/2002	100
						Concept Report Review and Comments	6/14/2002	6/28/2002	100
						Management Concept Approval Complete	7/15/2002	7/15/2002	100
						Value Engineering Study	3/5/2010	7/14/2008	100
						Public Information Open House Held	10/1/2002	8/12/2005	100
						Environmental Approval	9/3/2002	10/15/2002	100
						Field Surveys/SDE	1/2/2003	4/5/2009	100
						Preliminary Plans			0
						Underground Storage Tanks			0
						404 Permit Obtainment			0
						PFPR Inspection			0
						R/W Plans Preparation			0
						R/W Plans Final Approval			0
						L & D Approval			0
						11/9/2010 R/W Authorization			0
						Shake R/W			0
						Soil Survey			0
						Final Design			0
						Submit FFPR Responses (OES)			0
						DEC01 Board App. Assigned to District 4. Tifton = PE. 9/5/02.			
						NO BRIDGE REQUIRED			
						Focus Eng - 2nd PFPR held May 2009, due to change in project			
						CEIApnd8.12.05 Local ROW On Schedule, eff Pugh (6.29.10)			
						REV PMA SGN TIFTON DO PE/RW & UTIL 1-3-03.			
						LGPA: #1 2-05			
						R/W acq. contract exec LOC date 5/10/10; GDOT Test date 6/14/2010. WAITIN ON VE STUDY IN JULY			
						BEFORE ANY R/W ACTIV. BEGIN CAHD4 TO REV LCL CNSLT PLNS[090502]_2^PFPR sent 12/18/06 w/ NEED revised 2nd Sub 12/08 RECST/REHAB (WIDENING), PE BY LOCAL			
						Total Parcel in ROW System:			
						Options - Pending:			
						Condemnations- Pend:			
						Released:			
						Cond. Filed:			
						Relocations:			
						Acquired by:			
						Robbins, Donnie (LOC)			
						Acquisition MGR:			
						R/W Cert Date:			

SMALL PROJECT NUMBER  
GA STP00-0003-00 (430) 1 461

SMALL PROJECT NUMBER  
GA STP00-0003-00 (430) 1 461

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## PLAN AND PROFILE OF PROPOSED CARPENTER ROAD



LOCATION SKETCH

PROJECT NO. STP00-0003-00 (430)

PROJECT NO. STP00-0003-00 (430)

TIFT COUNTY  
PROJECT NO. STP00-0003-00 (430)  
FEDERAL AID PROJECT

FEDERAL ROUTE \* N.A.

STATE ROUTE # N.A.

P.I. NO. 0003430

PROJECT MIDPOINT

STATION 76+43.04

S.T.M. 53.59, 59.36

E 2463, 364, 56

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